LUMELAUAGA SÕITMISEKS KASUTATAV KAITSERIIETUS. RANDMEKAITSED. NÕUDED JA KATSEMEETODID

Protective clothing for use in Snowboarding - Wrist Protectors - Requirements and test methods (ISO 20320:2020)



EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 20320:2020 sisaldab Euroopa standardi EN ISO 20320:2020 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 20320:2020 consists of the English text of the European standard EN ISO 20320:2020.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 08.04.2020.	Date of Availability of the European standard is 08.04.2020.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile <u>standardiosakond@evs.ee</u>.

ICS 13.340.40, 97.220.20

Standardite reprodutseerimise ja levitamise õigus kuulub Eesti Standardikeskusele

Andmete paljundamine, taastekitamine, kopeerimine, salvestamine elektroonsesse süsteemi või edastamine ükskõik millises vormis või millisel teel ilma Eesti Standardikeskuse kirjaliku loata on keelatud.

Kui Teil on küsimusi standardite autorikaitse kohta, võtke palun ühendust Eesti Standardikeskusega: Koduleht <u>www.evs.ee</u>; telefon 605 5050; e-post <u>info@evs.ee</u>

The right to reproduce and distribute standards belongs to the Estonian Centre for Standardisation

No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying, without a written permission from the Estonian Centre for Standardisation.

If you have any questions about copyright, please contact Estonian Centre for Standardisation:

Homepage www.evs.ee; phone +372 605 5050; e-mail info@evs.ee

EUROPEAN STANDARD

EN ISO 20320

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2020

ICS 13.340.40; 97.220.20

English Version

Protective clothing for use in Snowboarding - Wrist Protectors - Requirements and test methods (ISO 20320:2020)

Habillement de protection destinés à la pratique du surf des neiges - Protecteurs de poignets - Exigences et méthodes d'essai (ISO 20320:2020)

Schutzkleidung zum Gebrauch beim Snowboard-Fahren - Handgelenkschützer - Anforderungen und Prüfverfahren (ISO 20320:2020)

This European Standard was approved by CEN on 25 January 2020.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

This document (EN ISO 20320:2020) has been prepared by Technical Committee ISO/TC 94 "Personal safety -- Personal protective equipment" in collaboration with Technical Committee CEN/TC 162 "Protective clothing including hand arm protection and lifejackets" the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by October 2020, and conflicting national standards shall be withdrawn at the latest by October 2020.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For the relationship with EU Directive see informative Annex ZA, which is an integral part of this document.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 20320:2020 has been approved by CEN as EN ISO 20320:2020 without any modification.

Annex ZA

(informative)

Relationship between this European Standard and the essential requirements of Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment aimed to be covered

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association to provide a means of conforming to Essential Requirements of Regulation (EU) 2016/425.

Once this standard is cited in the Official Journal of the European Union under that Regulation (EU) 2016/425, compliance with the normative Clauses of this standard given in Table ZA.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding essential requirements of that Regulation (EU) 2016/425 and associated EFTA regulations.

Table ZA1 — Correspondence between this European Standard and Regulation (EU) 2016/425

Essential Requirements of Regulation (EU) 2016/425	Clause(s)/subclauses(s) of this standard	Remarks/Notes
1.1.1 Ergonomic	4.3	
1.1.2.1 Optimum level of protection	4.3	
1.2.1 Absence of inherent risks and other nuisance factors	4.2	
1.2.1.1 Suitable constituent material	4.4	
1.2.1.2 Satisfactory surface condition of all PPE parts in contact with the user	4.4	
1.3.1 Adaptation of PPE to users morphology	4.5	
1.3.2 Lightness and strength	4.6	0
1.4 Information supplied by the manufacturer	6, 7	O.
2.4 PPE subject to ageing	6, 7	
2.12 PPE bearing one or more identification or recognition marks directly or indirectly relating to health and safety	6	9
3.1.1 Impact caused by falling or projecting objects and collision of parts of the body with an obstacle	4.7/4.8	

WARNING 1 — Presumption of conformity stays valid only as long as a reference to this European Standard is maintained in the list published in the Official Journal of the European Union. Users of this standard should consult frequently the latest list published in the Official Journal of the European Union.

ANING 2—
pe of this sta WARNING 2 — Other Union legislation may be applicable to the product(s) falling within the

Co	ntent	ts	Page
Fore	word		iv
Intr	oductio	on	v
1		pe	
_			
2		mative references	
3	Tern	ms and definitions	1
4	Requ	uirements	2
	4.1	General	
	4.2	Splints	
	4.3	Ergonomics	
	4.4	Innocuousness	
	4.5	Restraint	
	4.6	Impact strength	
	4.7	Impact performance	
	4.8	Limitation of wrist extension	
5	Testi	ting	
	5.1	General	
	5.2	Sampling	
	5.3	Conditioning	
		5.3.1 General	
		5.3.2 Room temperature conditioning	
	г 4	5.3.3 Cold temperature conditioning	
	5.4	Ergonomics	
	5.5	Restraint	
	5.6	Impact strength	
		5.6.1 Apparatus 5.6.2 Procedure	
	5.7	Impact performance	 Ω
	5.7	5.7.1 Test area	
		5.7.2 Apparatus	8
		5.7.3 Procedure	
	5.8	Limitation of wrist extension	
		5.8.1 Principle	9
		5.8.2 Apparatus	9
		5.8.3 Procedure	12
6	Marl	king	
		rmation supplied by the manufacturer	
7			
8	Test	report	13
Bibl	iograpł	hy	14
			Ţ,

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 94, *Personal safety — Protective clothing and equipment*, Subcommittee SC 13, *Protective clothing*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 162, *Protective clothing including hand and arm protection and lifejackets*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.